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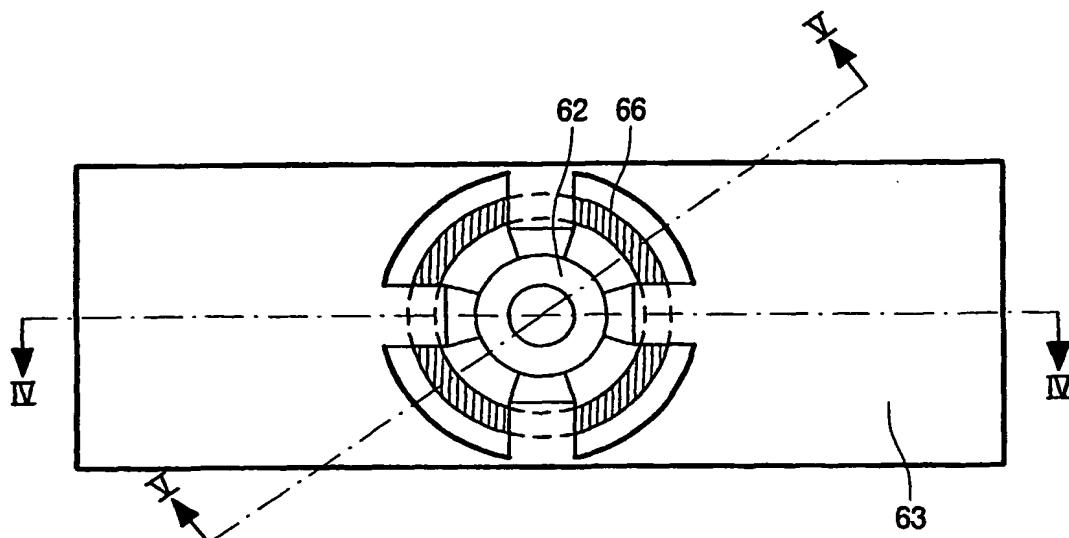
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(54) Title: MEDIA DRIVE CLAMPING DEVICE PROVIDED WITH COMMUNICATION MEANS



(57) Abstract: An apparatus has communication means for obtaining an electromagnetic coupling with a first antenna (22) on an information carrier (1), a support member (61) and a clamping member (62) for clamping the information carrier in axial direction, a bridge (63) for supporting the clamping member, and a second antenna (66) which is coupled with the clamping member. In axial direction oppositely to the second antenna the bridge is at least partially free of metal. In order to prevent eddy currents.

INTERNATIONAL SEARCH REPORT

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G11B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 044 046 A (DIEZMANN NILS ET AL) 28 March 2000 (2000-03-28) the whole document ---	1-6
Y	US 6 249 259 B1 (GOODMAN WILLIAM L ET AL) 19 June 2001 (2001-06-19) column 3, line 29 - line 36; figure 1 ---	1-6
A	US 5 540 800 A (QIAN XUEYU) 30 July 1996 (1996-07-30) column 3, line 55 - line 62; figure 3 -----	1-6

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6044046	A	28-03-2000	DE	19616819 A1		30-10-1997
			AT	216120 T		15-04-2002
			AU	2767497 A		19-11-1997
			DE	59706971 D1		16-05-2002
			DK	895637 T3		01-07-2002
			WO	9741562 A1		06-11-1997
			EP	0895637 A1		10-02-1999
			ES	2175403 T3		16-11-2002
			JP	2000509541 T		25-07-2000
			PT	895637 T		30-09-2002
US 6249259	B1	19-06-2001		NONE		
US 5540800	A	30-07-1996	JP	8088220 A		02-04-1996